OM NAIK
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Education

JSPM's Rajarshi Shahu College of Engineering (RSCOE), Pune   **2020 - 2024**
- B. Tech - Electrical Engineering | CGPA: **9.22**

Government Polytechnic Pune (GPP)   **2017 - 2020**
- Diploma - Electrical Engineering | Percentage: **75.00%**

S.P.M. School, Pune   **2016 - 2017**
- MSBSHSE (Class X) | Percentage: **87.60%**

Skills

Python | HTML | CSS | Bootstrap | GitHub | AutoCAD | MATLAB | PLC | Microsoft 365

Experience

Internpe | Frontend Web Development Intern   **Jul'23 - Aug'23**
- Developed responsive, user-friendly web interfaces during a virtual internship, enhancing the user experience. Implemented best practices for web development, mastering code quality, performance, and accessibility standards.
  [https://om-naik.github.io/Apple-Vision-Pro-Clone/]

Mithsagar Electronics Systems Pvt. Ltd. | Intern   **Jul'22 - Aug'22**
- Collaborated closely with senior engineers, gaining insights into control panel circuitry and electrical systems intricacies.
- Understand the design and assembly of control panels within the engineering team, ensuring precision and functionality.

Projects

Passive Cell Balancing using Proportional Integral (PI) Controller   **Aug'23 - May'24**
Develop a passive cell balancing system for batteries using a Proportional-Integral (PI) controller to enhance the performance and lifespan of battery packs.
- Designed and simulated the PI controller, conducted experiments, and optimized controller parameters for effective balancing.
- Enhanced battery pack performance and lifespan through effective passive cell balancing.

Digitalization of RSCOE campus   **Feb'23 - May'23**
Designed and developed a responsive website to assist new visitors in navigating the college campus seamlessly.
[https://om-naik.github.io/jspmrscoe-building-c.github.io/]
- Implemented a QR Code scanning feature for quick access to the website, enhancing user convenience.
- Integrated interactive maps and provided precise directions to essential locations such as the principal's office, Library, HOD's cabins, Labs, and Classrooms.
- Included actual images of each location, enhancing the user experience and providing visual cues for easy identification.

Electric Vehicle (Diploma)   **Nov'19 - Sep'20**
Led a pioneering project to convert a traditional diesel car into a fully functional electric vehicle (EV), showcasing a commitment to sustainable transportation solutions.
- Conducted a comprehensive analysis of the existing diesel vehicle's architecture, identifying components for replacement and modification to accommodate electric power.
- Integrated electric motors, battery packs, and a sophisticated control system to ensure seamless transition and optimal performance.

Achievements

- Achieved 1st rank in the Department during the 1st year of B.Tech studies.
- Achieved 3rd rank in the Department during the 2nd year of B.Tech studies.

Certifications

- Udemy HTML, CSS & JavaScript Certification course for Beginners.
- NPTEL Power System Protection and Switchgear (84.0 / 100.0).

Co-Curricular & Extra-Curricular Activities

- Secretary of "EV Club" at JSPM's RSCOE.
- Member of the Decoration Team of "TECHNOTSAV-2k23" RSCOE

Hobbies

- Cooking, Drawing, Traveling, Learning, and exploring new things.